



15TH Anniversary YEAR

THE BLURB

AREA MEMBER

FEBRUARY
1964

PHILMONT MOBILE RADIO CLUB INC.



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The "BLURB" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "BLURB" is mailed on the last Monday of the month. All material for the "BLURB" must be received by the Editor, K3KUD, before the 15th of the month.

1964 CLUB OFFICERS

President: Enos Bartol K3GNJ
Vice President: Ed Moore W3EQV
Treasurer: George Weed W3MHR
Secretary: Al Lewis W3WPD
Directors: W3QQH (E64), K3DJE (E65)
W3YHV (E66), W3GOW (A)
K3HIJ (A), and all 1964
Club Officers.

NET AND NET FREQUENCIES

Channel 1 - 29.493 mc Channel 3 - 147.78 mc
Channel 2 - 29.629 mc Channel 4 - 50.7 mc
Orange Juice Net Weekdays 0700 - 0730
Scrambled-Egg Net 0730 - 0830
Ten-on-Ten Sundays 1000 - 1100
Blarney sessions anytime All Channels
29.493 kc 0930 - 2400
Monitored daily for the benefit of mobiles
in the Philadelphia area.

P M R C C A L E N D A R

MEETINGS

Regular Meetings: First Monday of
each month
Time: 2000 hours (8:00 p.m.)
Place: THE FRANKLIN INSTITUTE
20 & Benjamin Franklin Parkway

MID-MONTH SCHEDULE

Feb. 12, W3QQH	July 15, W3NIP
March 18, W3QWIK	Aug. 19,
April 15, W3WNC	Sept. 16,
(Stag Dinner)	Oct. 14, W3GOW
May 13, W3MHR	Nov. 18,
June 17, W3VVS	Dec. 16,

What have you done, to
uphold your American Heritage?

Sam's CORNER



THE PREZ SEZ

It is becoming more evident each day that many of our members are starting to feel their way in many directions, in new and different modes of communication. The two most prominent of these being six meter FM on the national calling frequency 52.525 mc. Interest in this project is increasing by leaps and bounds and your elected officers are doing all that they can to obtain and pass on information relating to available equipment and the best way to purchase it. It is very apparent that a much better price can be realized by a group order. More information will be forthcoming in the very near future.

Single-sideband operation is upon us and much can be and, in fact, has been said about how this type of operation can be tied into our organization. This matter is now in the hands of an able and experienced committee, most of whom are presently operating sideband. They will very shortly present us with the facts. These are truly wonderful steps and in keeping with the times.

It is your President's belief that any club not moving forward is not necessarily standing still, but most probably is moving backwards. This can never be the case with us if we keep one thought in mind—all these new things are worthy of consideration and trial, for in the future they may well become our standard methods. The one thing that we must not lose sight of is that 29.493 mc is the net blanket which ties us all together.

de K3GNJ

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IT SEEMS TO ME

Each month I scan, peruse, study, or just plain read about fifteen exchange publications from radio clubs throughout the country. I read (or try to read) three amateur radio magazines, the National Bureau of Standards Bulletin, and the AREA Newsletter. Finally I manage to come up with a ten or twelve page BLURB which is rushed off to the typist, and then I relax for two days before starting the next issue. Having accomplished my assigned task, I go to the meeting fully confident that THIS IS THE MONTH that someone will give me some good material. After the clipboard has been circulated and I study the material contained thereon, I find: two Swap and Shop items (good); seven unsigned statements such as, "Who has a new what kind of what band rig and doesn't know how to tune it up?"; and finally a request for more Channel Chatter (also unsigned!).

To you all, O Readers, I say, if you want more Channel Chatter—send me some. If you want better Tekni-Grams—send them to the Technical Editor. We are all for giving you what you want, but since this is an avocation and not a vocation, we must have contributions.

Phil-Monters, put an end to this griping by the Editor. Send material!

de K3KUD

CLUB NEWS AND ACTIVITIES

The January meeting, held at The Franklin Institute on January 6, was an extremely busy one. Enie Bartol, K3GNJ, our new President, announced the appointment of several committee chairmen. These appointments are listed below and additional appointments will be published from time to time as announced. Certificates of appreciation were awarded to last year's officers and the 1963 Financial Report and 1964 Budget were presented and accepted by the membership. Copies of both appear elsewhere in this issue.

Fred Shaw, W3ADV, speaking for the W3TKQ committee, reported on the operation of the station, and read a letter which was sent to Collins Radio Company reporting on the activities and operation of W3TKQ in the past 18 months. Among other things, the letter stated that W3TKQ had been seen by an average of 1,450 persons daily, had made an average of seven SSB contacts per day, and had been visited by an average of one licensed ham per day during this time.

After the business portion of the meeting had been concluded, Barney Elfman, W3CW, discussed and detailed on the blackboard, the schematic used to build his mobile rig. This is a very simple, yet very effective, circuit and we hope to have it for a Tekni-Gram very soon. Bob Thomas, W3QZ0, showed and discussed his home-brew Channel 1 transmitter; 40 watts input to the 6146 final, using 6973's as modulators with a zener diode providing cathode bias. This is a beautifully built rig and it works out very well, as listeners to Channel 1 can testify.

Larry Clifford, W0BLS/3, a visitor to the club, but already quite well known to many of the members, discussed hamming via 6 meter FM and in particular 52.525 mc. Larry is, and has been, quite active on this band and gave us some enlightening information regarding equipment and type of operation found on this evermore popular frequency. The evening was topped off by a most interesting film on the subject of the telephone and its development. The film was provided by the Bell Telephone Labs and obtained through our Program Committee.

* * * * *

Committee Chairmen appointed to date are as follows:

Audit Committee, W3DSG; Budget Committee, W3GOW; Banquet Committee, W3QQH; Program Committee, W3AWH; Com Truck Committee, W3QQH; Activities Committee, W3EQV; W3TKQ Committee, W3ADV.

* * * * *

Our February meeting will feature Dr. Lawrence M. Halpern, BS, PhD. Dr. Halpern is a Neuro-pharmacologist, associated with the Merck Institute for Therapeutic Research. His subject will be "Monkey Business" which, I am told, features electronics, veterinary medicine, and humor.

* * * * *

PHIL-MONT DUES ARE NOW PAYABLE. SEND YOUR CHECK FOR \$6.00 TO THE TREASURER, GEORGE WEED, PARDEE LANE, WYNCOTE, PA.

ASSOCIATE MEMBERS SEND CHECKS FOR \$2.00 TO THE ABOVE ADDRESS.

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CLUB NEWS AND ACTIVITIES (continued)

Bob Cox, K3CEE, has joined the roster of Control Stations for the Ten-on-Ten Net. We should have no trouble hearing that big signal!

* * * * *

The Banquet Committee will announce the date and location of our 15th Anniversary Dinner-Dance at the February meeting. This will positively be one of the biggest and best ever. We invite individuals and club groups to join with us in this evening of fun and fellowship. Watch the BLURB for announcements.

* * * * *

DUES ARE DUE !

PAY NOW, DON'T WAIT !

WE NEED THE MONEY !

* * * * *

The following additional committee chairmen have been appointed by the President: Awards Committee, W3VVS; Auction Committee, W3WNC; Prizes, K3SPS; Interclub, W3UMK; Field Day, W3YHV; Historian, WN2GBJ; Membership Committee, W3AWH. Next month we will list the complete membership of each committee.

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SWAP AND SHOP

For Sale: Heathkit Warrior KW Linear Amplifier, in good condition.	\$175.00
B&W KW balun coils (model 725) 75-300 ohms, 1.5-30.0 mc.	\$ 10.00
Citizen Band Walkie-Talkies (one pair) 100 mw, w/built-in broadcast receiver, too! Complete with kit consisting of telescoping antennas, carrying cases, xtals for 27.125 mc, earphones, and new batteries.	\$ 50.00
Beams: 6 mts, 3 el (portable) Hilltopper	\$ 8.00
2 mts, 8 el (never used) Telrex	\$10.00
2 mts, 6 el (used) Telrex	\$ 5.00
10 mts, 3 el (used) Telrex	\$15.00

Contact John J. Mahoney, W3DJW

Phones: TR-7-1010, 1008 nite
GR-6-4846, 4680 day

Wanted: Small size Tube Caddy. Reasonable.

Contact Wayne Zeigler, WN2GBJ

TID-BITS

The following information, taken from the latest Amateur Callbook, lists the approximate percentages of various classes of licenses listed therein. Novice, 7 per cent; Technician, 22 per cent; Conditional, 16 per cent; General, 37 per cent; Advanced, 1 per cent; Others, Amateur Extra, Club calls, Military, 1 per cent.

We also understand that henceforth the Callbook will change the color of the cover design for each issue, but will change nothing of the inside format.

Despite the cold weather and a snowed-in parking lot at the Valley Forge Military Academy, the first mobile ARPSC rally for Delaware County was attended by sixteen mobiles and some twenty hams. Mobiles were evaluated per the ARRL Mobile Judging Sheet. Judges were W3PWG, Chairman; W3ZN; W3WUX; W3AJ0; K3OMP and K3AHX. The meeting was organized by W3FLP, Ralph Garrick, Delaware County ARPSC coordinator.

Philco TechRep Division, "C" and Westmoreland Sts, has finally gotten W3YDX back on the air. The station was dismantled last year and has now been reinstalled in the Reception Room of the RechRep Division. The equipment is installed in a glassed-in enclosure similar to the W3TKQ installation. W3DYX has Hallicrafters SSB equipment. The beam antenna is the same as before, except that an additional run of 200 feet of coaxial feed line was used so that the antenna would not have to be relocated.

Sams announces the publication of a brand-new 5th Edition of the Transistor Substitution Handbook. This book lists direct substitutes for 4,762 types of transistors. Substitutes were selected by comparing all operating parameters on an electronic computer. All the major-line general replacement types are listed in accordance with manufacturer recommendations. Other information identifies manufacturers, NPN and PNP polarities, germanium and silicon types and basing diagram styles.

Consisting of seven sections, the publication lists American and foreign high and low power transistors, diodes, applications and other information of general interest.

Cost of the book is \$1.50; it contains 128 pages and the catalog number is

MSB-5.

SWAP AND SHOP

For Sale: Navy RAK-8 low frequency receiver, 15-600 kc. \$ 50.00
Without power supply.

Power supply for above and RAL series also. \$ 15.00

Contact Ed Braddock, W2BAY
Phone: 609-429-0087

Wanted: Back issues of 73 Magazine.

Contact Murray Bevitz, K3SPS
TR-8-3074

For Sale: Simpson 260 VOM, w/manual. Excellent condition. \$ 22.00

Gonset G-50 (6 meter Communicator, 50 watts). \$250.00
Complete w/xtal mike, xtals. Excellent condition.

Link walkie-talkie for 10 meters (AM, 1 watt output). \$ 35.00
Complete w/xtal for 29.433 mc; PTT handset; 10 meter
whip and fresh batteries.

Hy-Gain 2 meter halo w/telescoping mast and coax. \$ 8.00

Hammarlund HQ140X - General coverage receiver for \$150.00
500 kc to 31.0 mc w/built-in xtal calibrator,
matching 8" speaker. Excellent condition.

Gonset III Communicator. CD model (2 meters, 12 \$175.00
VDC/110 VAC) complete with xtal mike and 2 meter
xtals. Perfect condition.

Gonset IIB Communicator (2 meters, 6 VDC/110 VAC) \$125.00
complete with xtal mike and 2 meter xtals.
Perfect condition.

Fujiya Tape Recorder (110 VAC) portable, w/mike. \$ 25.00
In excellent condition.

Central Electronics 200-V. Perfect condition. \$625.00

Contact John J. Mahoney, W3DJW
Phones: TR-7-1010, 1008 nite
GR-6-4846, 4680 day

CHANNEL CHATTER

Mason, W3PBR, had an opportunity to speak to the gang on the Ten-on-Ten Net via W3ADV's phone patch. Mason is stuck in Pittsburgh due to the illness of his wife. We understand that she is coming along fine and will be able to return home very soon. —Hy, W3WNC, and Lloyd, W3CDY, will instruct at The Franklin Institute Ham School beginning in February. —W3YHV, Bill, is now using a Heath SB-300 SSB receiver in the home station. —Ed, W3LEM, has taken up the making of rugs - he really needed one more hobby! —Nelson, W3DYP/W3TKQ, not only hides coffee in the cable room behind the station, but has been known to offer Castor Oil also! —Al, K3GNM, spent the month of January in Norfolk, Va. Too bad it couldn't have been Florida, but that's life. —More and more activity is appearing on 52.525 mc FM. Jim, W3QQH, has rigged up a relay set-up and now you can't be sure what band anyone is actually transmitting on. —Nancy, XYL of Dick, K3KDP, now has the call WA3AAZ, and is heard on Channel 1 from time to time. —Wayne, WN2GBJ, has one of the few trap verticals which is obliquely polarized - it lost an argument with the wind. —We understand that Woody, W3PST, has his son home from the hospital, and the boy is coming along nicely. —Did anyone else notice that during the big snow storm, The Voice of Penn Valley, Sunny, W3DSG, was strangely quiet? What happen to the sunshine, Ernie? —Dave, WA2RDC, had T/R switch trouble in the Apache and wound up making the rig push-to-talk. —Charlie, W3ZPP, came back from Florida right after New Year's Day, and then just to show that he could take the elements in any form, mobiled to New London, Connecticut, during the big snow on January 13. —George, W3MHR, would like everyone to pay his dues as soon as possible. —Bob, K3CEE, was heard bravely monitoring Channel 1 while attempting to study for school exams. Rots of ruck! —Plans for a SSB version of the Orange Juice Net are afoot - ah me, progress. —The big IEEE show in New York will be held next month - wonder how many Phil-Monters we'll meet up there this year? —That's about it for this month. 73.

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LITERATURE FROM GENERAL ELECTRIC

A new receiving tube selection chart entitled "High Reliability Tubes for Critical Applications" (ETR-3559A) now is available from the General Electric Company. The chart lists prototypes and essential characteristics of the complete line of 59 types of "Five Star" receiving tubes which are specially constructed for use in military, aircraft, and other critical applications. The four-page, 8-1/2 x 11 inch chart also includes basing diagrams. Chart may be obtained from: General Electric Tube Department, Owensburg, Kentucky.

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ERRATA

We received a note from Rolland, W3PWG, stating that in the report of ARPSC Rally (Tid-Bits, this issue) the call K3AHX is incorrect and should read K3WAK. Since that page had already gone to the typist, we hope that this correction will suffice.

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BUDGET FOR 1964

Income:	Dues	\$720.00	
	Prize Drawings	150.00	
	Chow Kitty	100.00	
	Auctions	80.00	
	Sale of Equipment	100.00	
	Miscellaneous	200.00	\$1350.00

Balance on hand January 1, 1964		504.34
Total Income		<u>\$1854.34</u>

Expenses:	Donations	\$ 25.00	
	Prize Drawings	120.00	
	Chow Kitty	100.00	
	Com Truck Maintenance	150.00	
	Com Truck Equipment	215.00	
	Stationery	25.00	
	Special Events	100.00	
	Flower Fund	40.00	
	Insurance	25.00	
	BLURB Operation	275.00	
	Franklin Institute Base	25.00	
	Miscellaneous	200.00	
	Capital Improvement	50.00	
	Total Expenses		\$1350.00

Contemplated balance on hand January 1, 1965		\$ 504.34
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FINANCIAL REPORT 1963

Balance on hand December 31, 1962		\$ 774.92
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<u>Receipts</u>	<u>Budget</u>	<u>Actual</u>
Dues	\$720.00	774.50
Prize Drawings	150.00	188.25
Chow Kitty	100.00	109.23
Auctions	100.00	88.40
Sale of Club Equipment	150.00	224.00

Sale of Crystals	27.00
Sale of Name Badges	16.00
Sale of QSL's	18.50
Donations	1.00
Overpayment Refund and Doughnut Sale	4.30
ARRL Dues	5.00
Sale of W3UKF Equipment	<u>55.00</u>

	<u>200.00</u>	<u>127.00</u>	
Total Receipts	\$1420.00	\$1461.68	\$2236.60

Expenses

Donations	\$ 25.00	\$ - - -
Prize Drawings	120.00	191.78
Chow Kitty	100.00	98.96
Banquet Deficit	150.00	160.88
Com Truck Operation & Maintenance	150.00	91.97
Com Truck Electronic Equipment	250.00	177.85
Stationery & Supplies	20.00	25.19
Special Events	100.00	128.07
Flower Fund	40.00	25.72
Insurance	25.00	20.10
BLURB Operations	225.00	260.10
Institute Base Station	50.00	- - -
BLURB Publication Equipment	300.00	300.00
Miscellaneous		

Bank Service Charges	5.70
AREA Dues	10.00
Crystals	25.65
Dues Refund	2.00
Name Badges	16.80
Incidentals to New Com Truck	8.74
QSL's	82.75
Equipment Purchased for Resale	<u>100.00</u>

200.00

251.64

Total Expenses \$1755.00

\$1732.26 \$1732.26

Budget

Actual

End of Year Balance \$439.92

\$504.34

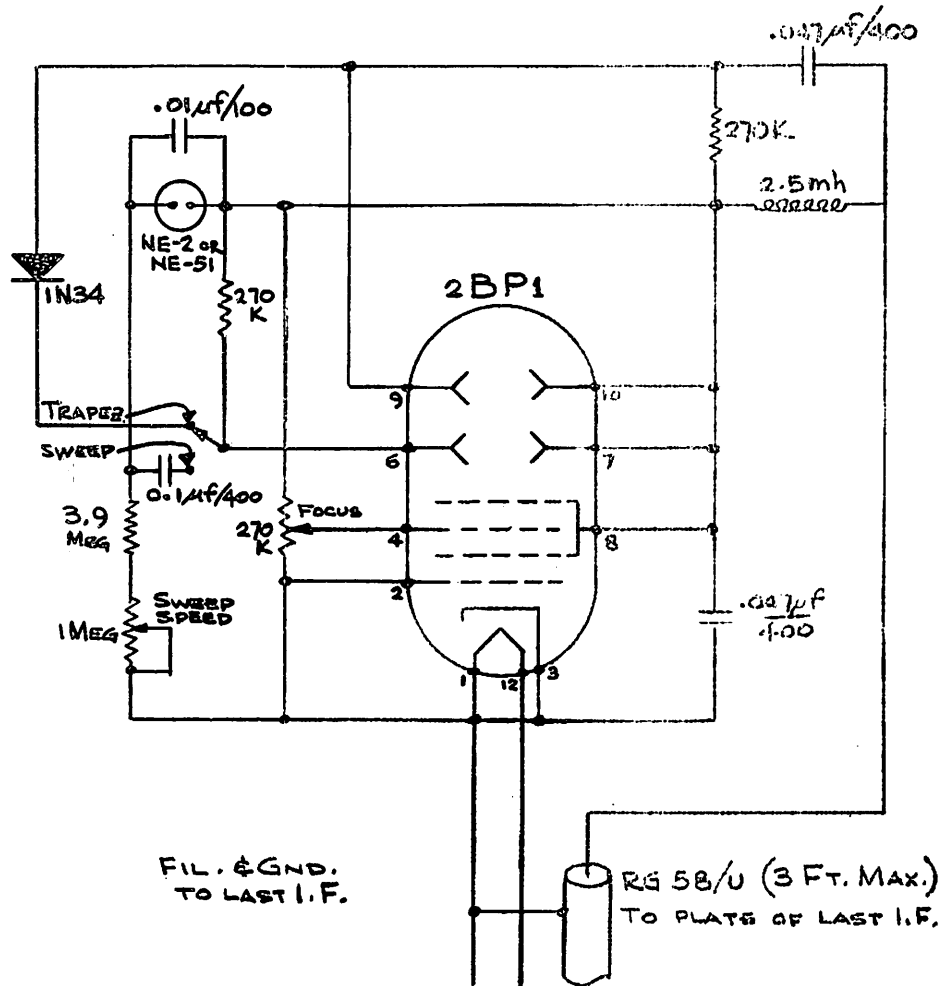
Bank Balance - December 31, 1963	384.64
Receivable from Banquet Committee	<u>119.70</u>

\$504.34

Treasurer

George B. Weed, W3MHR

PHILMONT TEK-NI-GRAM FEBRUARY 1964
 MONITOR SCOPE FROM W3YZC VIA DELMONT R.C. "RAGCHEW"



(THE LETTER BELOW IS SELF-EXPLANATORY) -
 DEAR FRED:

I'M SORRY TO HAVE BEEN SO LONG IN ANSWERING, BUT K3HNT HAS THE ONLY MONITOR UNIT AND IT HAD TO BE REVISED. HE FINALLY GOT AROUND TO IT. THE SCHEMATIC IS ENCLOSED.

BEAR IN MIND THAT THIS IS A SIMPLE, SOMEWHAT CRUDE DEVICE WHICH IS HELPFUL BUT NOT EXTREMELY ACCURATE.

CONNECTION IS MADE TO THE RECEIVER BY MEANS OF A TEST SOCKET ADAPTER (POMONA ELECTRONICS) CARRIED BY AG RADIO AND ALMO. WHICH ONE DEPENDS ON HOW MANY PINS ARE ON YOUR LAST I.F. TUBE.

DUE TO THE LOW B+ (APPROXIMATELY 250 VOLTS) FOCUSING OF THE BEAM IS CRITICAL. ALSO, INTENSITY IS NOT TOO HIGH, SO USE A LIGHT SHIELD OVER THE TUBE. AT LEAST IT'S EASY AND QUICK TO BUILD.

ORIENTATION OF THE TUBE WILL DISPLACE THE BEAM, DEPENDING ON STRAY MAGNETIC AND ELECTRIC FIELDS. USE A MU-METAL SHIELD, IF AVAILABLE.

GOOD LUCK AND HAVE FUN.

'73

AL SCHECHNER - W3YZC

PHIL-MONT MOBILE RADIO CLUB, Inc.
W3RQZ • W3TKQ

THE FRANKLIN INSTITUTE
20TH AND THE PARKWAY
PHILADELPHIA 3, PENNA.



MONITORED NET
A.M. FREQUENCY 29493 kc.
S.S.B. FREQUENCY 29439 kc.

In reply address:
Pardee Lane
Wyncote, Penna.

December 15, 1963

Hail, Brethren:

As we find ourselves confronted with the joyous holiday season, a feeling of good will and fellowship should surge through our bones. As the snow load bends our beams, sags our flat-tops and makes our verticals a striking picture against the snow-covered roof, we are reminded of but one thing - it's time to pay our dues.

Having now put you in a receptive mood, I think it only fair to point out that the New Year offers us many inspiring challenges. Should we allow Baldy Bill and his colleagues to garble up Channel 1 with SSB, convert them back to AM, or banish them to another frequency? Should we continue to allow "Messy-Jar" Mobiles the use of the frequency (with their one-way QSO's), help them to develop a linear, or let them form a new Club (PMRC, junior grade)? Should we allow DJW and UMK to form a combination Rig-of-Month, Car-of-the-Month Club under our auspices, or just let the whole thing die a natural death? Should we investigate 2 and 6 meter mobile, or conclude that they are part of an insidious plot formulated by Charlie Brown to take over a vacated 10 meter band? An even more horrible thought just occurred to me - what if HIJ and LDQ decided to give RTTY a "go" on Channel 1? With friends like these, who needs enemies?

Gentlemen, 1964 has the makings of an inspiring year. Rejoin the Club with me - the best is yet to be! Where else could you associate yourself with such a status-symbol for only six bucks? (Associates only \$2.00)

Remember, the dead-line is March 31, 1964. After that - out, you fink!

73,

A handwritten signature in cursive script, appearing to read 'George', followed by a long horizontal flourish.

W3MHR